



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

2

Complete If Known

Application Number	10/824793
Filing Date	April 14, 2004
First Named Inventor	James J. Modliszewski
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned

Attorney Docket Number 10884-00018-US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		3,962,482	6/8/1976	Uniroyal, Ltd.	
		3,956,173	5/11/1976	Hercules Incorporated	
		4,443,486	4/17/1984	FMC Corporation	
		4,096,327	6/20/1978	FMC Corporation	
		5,002,934	3/26/1991	Norton et al	
		5,051,304	9/24/1991	Societe Anonyme	
		5,264,223	11/23/1993	Japan Elanco Company, Ltd.	
		5,614,217	3/25/1997	R.P. Scherer Corporation	
duplicated		5,342,626	8/30/1994	Merck & Co., Inc.	
duplicated		5,431,917	7/11/1995	Japan Elanco Company, Ltd.	
duplicated		5,756,123	5/26/1998	Japan Elanco Co., Ltd.	
duplicated		5,820,757	4/15/1997	Mitsubishi Rayon Co., Ltd.	
duplicated		5,342,626	8/30/1994	Merck & Co., Inc.	
duplicated		5,089,307	2/18/1992	Mitsubishi Rayon Co., Ltd.	
duplicated		5,569,466	10/29/1996	R. P. Scherer Corporation	
duplicated		5,820,259	10/13/1998	Q-Jet DSI, Inc.	
duplicated		6,375,981	4/23/2002	A. E. Staley Manufacturing Co.	
duplicated		6,099,876	8/8/2000	Yissum Research Development Co. of the Hebrew University	
duplicated		6,214,376	4/10/2001	Banner Pharmacaps, Inc.	
duplicated		6,326,028	12/4/2001	Monsanto Company	
duplicated		6,331,205	12/18/2001	Laurence Paris	
duplicated		6,340,473	1/22/2002	R.P. Scherer Technologies, Inc.	
duplicated		6,582,727	6/24/2003	R.P. Scherer Technologies, Inc.	
duplicated		6,375,981	4/23/2002	A. E. Staley Manufacturing Co.	
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duplicated		2003/0138482	7/24/2003	Fonkwe et al	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		JP 3-53873	1991	Kotobuki Academy		X
		JP 3-12231	1991	Kotobuki Academy		X
		JP 62-186754	1987	Unicolloid Inc.		X
		JP 60-35039	1985			
		JP 63-164858	1988	Unicolloid Co. Ltd.		X
		WO 00/36930	06/29/2000	The Monsanto Company		
		WO 01/92401	12/6/2001	A.E. Staley Manufacturing Co.		
		WO 01/92400	12/6/2001	A.E. Staley Manufacturing Co.		
		WO 03/009832	2/6/2003	R.P. Scherer Holdings Pty Ltd		

Examiner
Signature

E. M. Scherer

Date
Considered

2/24/06

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Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/824793
				Filing Date	April 14, 2004
				First Named Inventor	James J. Modliszewski
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	10884-00018-US

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
GW		Eleya, et al., "Rheology of kappa-carrageenan and B-lactoglobulin mixed gels", Food Hydrocolloids, vol. 14, pages 29-40, 2000.		T ²
GW		Falshaw et al., "Structure and performance of commercial kappa-2 carrageenan extracts I. Structure analysis", Food Hydrocolloids, vol. 15, pages 441-452; 2001.		
GW		Villanueva et al., "Structure and functional performance of gigartinacean kappa-iota hydrid carrageenan and solieriacean kappa-iota carrageenan blends", Food Hydrocolloids. Vol. 18, pages 283-292; 2004.		
GW		Bixler et al., "Kappa-2 carrageenan: structure and performance of commercial extracts II. Performance in two simulated dairy application", Food Hydrocolloids, vol. 15, pages 619-630; 2001.		
GW		van de Velde et al., "On the structure of kappa-iota-hybrid carrageenans", Carbohydrate Research, vol. 331, pages 271-283, 2001.		
GW		Gums and Stabilizers for the Food Industry; "Liquid Core Hydrocolloid-Oil Capsules"; pages 324-332. <i>Nussinovitch et al</i>		

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Examiner Signature	<i>E. White</i>	Date Considered	2/24/2006
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EJH		JP 60-55039	03-29-1985	Mitsubishi Acetate Co., Ltd.	X

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

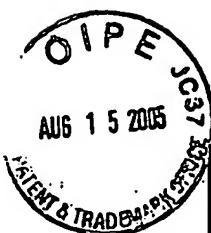
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			

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Examiner Signature	E. Hunte	Date Considered	2/24/2006
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PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO

Complete if Known

Application Number	10/824793-Conf. #6666
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First Named Inventor	James J. Modliszewski
Art Unit	N/A
Examiner Name	Not Yet Assigned

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Attorney Docket Number

10884-00018-US

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		Number-Kind Code ² (if known)			
AA	AA*	US-2005/0037064	02-17-2005	Basquin et al.	
AB	AB	US 6,340,473	01-22-2002	Tanner et al.	
AC	AC	US 6,582,727	06-24-2003	Tanner et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BA	BA	JP-01-143827	06-06-1989	Fuji Capsule K.K.		
BB	BB	JP-05-43471	02-23-1993	Alfa Wasserman Spa		
BC	BC	JP-09-25228	01-28-1997	Eisai Co., Ltd.		
BD	BD	JP-2001-39863	02-13-2001	Fuji Oil Co., Ltd.		
BE	BE	JP-2003-299714	10-21-2003	Fuji Capsule KK		
BF	BF	JP-2003-504326	02-04-2003	R. P. Scherer Technologies, Inc.		See BK
BG	BG	JP-2004-167084	06-17-2004	Ina Food KK		
BH	BH	JP-2005-112849	04-28-2005	Fuji Capsule KK		
BI	BI	JP-2005-508359	03-31-2005	Innogel AG		
BJ	BJ	JP-2005-519255	05-12-2005	Ulice and Pierre Fabre Medicament		See AA
BK	BK	WO-01/03677	01-18-2001	R. P. Scherer Technologies, Inc.		
BL	BL	WO-03/035044	05-01-2003	Innogel AG		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

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CA	CA	JP01-143827 – English Abstract (Micropatent) and partial English translation	
CB	CB	JP05-43471 – English Abstract (Micropatent) and partial English translation	
CC	CC	JP09-25228 – English Abstract (Micropatent) and partial English translation	
CD	CD	JP2001-39863 - English Abstract (Micropatent) and partial English translation	
CE	CE	JP2003-299714 - English Abstract (Micropatent) and partial English translation	
CF	CF	JP2004-167084 - English Abstract (Micropatent) and partial English translation	
CG	CG	JP2005-112849 – partial English translation	
CH	CH	JP2005-508359 – partial English translation	

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Examiner Signature	<i>E. Holt</i>	Date Considered	2/24/2006
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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				First Named Inventor	James J. Modliszewski	
				Art Unit	N/A	
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U.S. PATENT DOCUMENTS					
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/	AA	2,802,000	8/6/1957	Caldwell et al.	
/	AB	2,813,093	11/12/1957	Caldwell et al.	
/	AC	2,825,727	3/4/1958	C. G. Caldwell	
/	AD	2,876,217	3/3/1959	E. F. Paschall	
/	AE	3,058,827	10/16/1962	J. L. Graham	
/	AF	3,094,517	6/18/1963	N. F. Stanley	
/	AG	3,176,003	3/30/1965	D. J. Stancioff	
/	AH	3,329,509	7/4/1967	A. Julius	
/	AI	3,378,546	4/16/1968	T. Tsuzuki	
/	AJ	3,499,962	3/10/1970	Warzburg et al.	
/	AK	3,505,110	4/7/1970	Kesler et al.	
/	AL	3,607,394	9/21/1971	F. J. Germino et al.	
/	AM	3,865,603	2/11/1975	Szymanski et al.	
/	AN	4,009,291	2/22/1977	Mitchell et al.	
/	AO	4,026,986	5/31/1977	Christen et al.	
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/	AS	4,600,439	7/15/1986	Schneider et al.	
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/	AW	4,643,894	2/17/1987	S. C. Porter et al.	
/	AX	4,725,441	2/16/1988	S. C. Porter	
/	AY	4,738,724	4/19/1988	Wittwer et al.	
/	AZ	4,795,642	1/3/1989	Cohen et al.	
/	ABA	4,828,841	5/9/1989	S. C. Porter	
/	ABB	4,935,243	6/19/1990	Borkan et al.	
/	ABC	5,089,307	2/18/1992	H. Ninomiya et al.	
/	ABD	5,146,730	9/15/1992	Sadek et al.	
/	ABE	5,224,989	7/6/1993	Eva Likarova	
/	ABF	5,334,640	8/2/1994	Desai et al.	
/	ABG	5,342,626	8/30/1994	P. E. Winston, Jr. et al.	
/	ABH	5,451,673	9/19/1995	Fishman et al.	
/	ABI	5,484,598	1/16/1996	Schurig et al.	
/	ABJ	5,549,983	8/27/1996	J. Yamanis	
/	ABK	5,525,368	6/11/1996	Rha et al.	
/	ABL	5,550,178	8/27/1996	Desai et al.	
/	ABM	5,554,385	9/10/1996	N. Stroud	
/	ABN	5,587,412	12/24/1996	G. Bochers et al.	
/	ABO	5,620,757	4/15/1997	H. Ninomiya et al.	
/	ABP	5,646,206	7/8/1997	D. R. Coffin et al.	
/	ABQ	5,656,294	8/12/1997	Friend et al.	
/	ABR	5,672,699	9/30/1997	R. L. Billmers et al.	
/	ABS	5,726,008	3/10/1998	J. E. Maskasky	

Examiner Signature	<i>E. H. P.</i>	Date Considered	2/24/2006
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				Examiner Name	Not Yet Assigned
				Attorney Docket Number	10884-00018-US

ABT	5,804,243	9/8/1998	Loh et al.
ABU	5,811,388	9/22/1998	Friend et al.
ABV	5,817,323	10/6/1998	Hutchinson et al.
ABW	5,932,639	8/3/1999	Eden et al.
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ABZ	6,063,915	5/16/2000	Hansen et al.
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ACB	6,143,324	11/7/2000	Michaud et al.
ACC	6,146,570	11/14/2000	A. J. Stern
ACD	6,210,709	4/3/2001	Laba et al.
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ACF	6,331,205	12/16/2001	L. Paris
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ACI	6,479,649	11/12/2002	Tsai et al.
ACJ	6,517,865	2/11/2003	Cade et al.
ACK	6,528,088	3/4/2003	Gilleland et al.
ACL	6,607,748	8/19/2003	V. Lenaerts et al.
ACM	6,649,188	11/18/2003	Gilleland et al.
ACN	6,790,495	9/14/2004	Tomka et al.
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ACQ	2003/0198482	7/24/2003	L. Q. Fonkwe et al.
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ACU	2005/0163833	7/28/2005	R. Muller

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		Country Code ² -Number ³ -Kind Code ⁴ (if known)			
BA	EP 0 169 319		1/29/1986	Berwind Pharmaceutical Services, Inc.	
BB	EP 0 400 484		12/5/1990	Mitsubishi Rayon Co., LTD	
BC	EP 0 408 503		1/16/1991	Warner-Lambert Company	
BD	EP 0 409 781		1/23/1991	Warner-Lambert Company	
BE	EP 0 409 782		1/23/1991	Warner-Lambert Company	
BF	EP 0 409 788		1/23/1991	Warner-Lambert Company	
BG	EP 0 471 558		2/19/1992	Unilever NV	
BH	EP 0 547 551		6/23/1993	National Search and Chemical Investment Holding Corporation	
BI	EP 0 606 486		7/20/1994	Teijin Limited	
BJ	EP 0 622 408		11/2/1994	CP Kelco ApS	
BK	EP 0 633 896		1/18/1995	National Search and Chemical Investment Holding Corporation	
BL	EP 0 761 691		3/12/1997	National Search and Chemical Investment Holding Corporation	

Examiner Signature	E. White	Date Considered	2/24/2006
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Sheet	3	of	4	Attorney Docket Number	10884-00018-US

	BM	JP 5-4914	1/14/1993	Asahi Chemical Ind, Fuji Capsule KK	
	BN	JP 7-196478	8/1/1995	Sugii Hajime	
	BO	WO 94/25493	11/10/1994	The United States of America	
	BP	WO 97/49762	12/31/1997	Oy Polymer Corex Kuopio Ltd.	
	BQ	WO 99/07347 <i>Abstract Only</i>	2/18/1999	Paris, Laurence	
	BR	WO 00/10538	3/2/2000	Banner Pharmacaps, Inc.	
	BS	WO 00/18835	4/6/2000	Warner-Lambert Company	
	BT	WO 01/37817 <i>Abstract</i>	5/31/2001	Greither, Peter	
	BU	WO 01/91721	12/6/2001	A.E. Staley Manufacturing Co.	

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GW	CA	de Vries J., "Interaction of carrageenan with other ingredients in dairy dessert gels", Gums and stabilisers for the food industry 11: proceedings of the 11th conference, Wrexham, vol. 11 (2002), no. -, pages 201-210, July 2001			
GW	CB	R. Falshaw et al., "Structure and performance of commercial K-2 carrageenan extracts", Food Hydrocolloids, vol. 17, pages 129-139, 2003			
GW	CC	FMC BioPolymer, "Carrageenan Matrices for Entrapment", Issue No. 1, April 1993			
GW	CD	Henry J. Witt, "Carrageenan Nature's Most Versatile Hydrocolloid", pages 347-360, 1985			
GW	CE	Glicksman, M., "Gum Technology in the Food Industry", Academic Press, pages 213-228, 1969			
GW	CD	C. J. Lawson et al., "Carrageenans", J.C.S. Perkin I, pages 2177-2182, 1973			
GW	CE	H. J. Bixler, "Recent developments in manufacturing and marketing carrageenan", Hydrobiologia, pages 35-57, 1996			
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GW	CG	M. C. Matulewicz et al., "Methylation Analysis of Carrageenans from Tetrasporic and Cystocarpic Stages of Gigartina Skottsbergii", Phytochemistry, vol. 29, no. 11, pages 3407-3410, 1990			
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GW	CI	Stancioff, D. J. and Stanley, N. F., "Infrared and Chemical Studies on Algal Polysaccharides", Prod. Int'l. Seaweed Symp. 6, pages 595-609, 1969			
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GW	CL	JP 5-4914 English language Abstract (espace.net)			
GW	CM	JP 7-196478 English language Abstract (European Patent Office)			

Examiner Signature	E. Whittle	Date Considered	2/24/2006
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				Application Number	10/824793-Conf. #6666
				Filing Date	April 14, 2004
				First Named Inventor	James J. Modliszewski
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	4	of	4	Attorney Docket Number	10884-00018-US

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		Number-Kind Code ² (if known)	MM-DD-YYYY		
AA	AA*	US-2005/0089548	04-28-2005	Virgalito et al.	

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		Number-Kind Code ² (if known)			
AA	AA	US-20004/0180083	09-16-2004	Shiraishi	

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